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PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Sung-Jin KIM et al.

Group Art Unit: 2664

Serial No.: 09/975,419

Docket: 678-753

Filed: October 11, 2001

Dated: March 11, 2005

For: APPARATUS AND METHOD FOR CONTROLLING  
TRANSMIT ANTENNA ARRAY FOR PHYSICAL  
DOWNLINK SHARED CHANNEL IN A MOBILE  
COMMUNICATION SYSTEM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to Applicant's duty of disclosure, it is respectfully requested that the references listed in the attached form PTO-1449 be considered by the Examiner and made of record in the above-identified application. A copy of each reference is attached hereto.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 11, 2005.

Dated: March 11, 2005

  
Paul J. Farrell

The listed items were cited by the European Patent Office in a counterpart application, namely Appln. No. 01124442.3. A copy of the European Search Report dated February 21, 2005 is attached hereto.

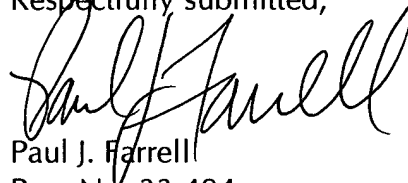
The filing of this Information Disclosure Statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

**CERTIFICATION UNDER 37 C.F.R. §1.97(e)(2)**

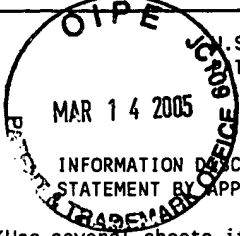
Applicants submit that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application no more than three months prior to the filing of the Statement.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul J. Farrell", is written over the typed name.

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|---|--|-----------------------------|--------------------------|
| Form PTO-1449<br> | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>678-753 | SERIAL NO.<br>09/975,419 |
|   | APPLICANTS<br>Sung-Jin KIM et al.                          |                             |                          |
|   | FILING DATE<br>October 11, 2001                            | GROUP ART UNIT<br>2664      |                          |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE      | NAME     | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|-----------|----------|-------|----------|-------------------------------|
|                     | 6,067,324       | 5/23/2000 | Harrison |       |          |                               |
|                     | 6,115,406       | 9/5/2000  | Mesecher |       |          |                               |
|                     |                 |           |          |       |          |                               |
|                     |                 |           |          |       |          |                               |
|                     |                 |           |          |       |          |                               |
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|                     |                 |           |          |       |          |                               |
|                     |                 |           |          |       |          |                               |
|                     |                 |           |          |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------|------------|---------|-------|----------|-------------|----|
|  |                 |            |         |       |          | YES         | NO |
|  | WO 00/36764     | 6/22/2000  | PCT     |       |          | X           |    |
|  | EP 0 966 125    | 12/22/1999 | EPO     |       |          | X           |    |
|  |                 |            |         |       |          |             |    |
|  |                 |            |         |       |          |             |    |
|  |                 |            |         |       |          |             |    |
|  |                 |            |         |       |          |             |    |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.